(1 Data Item)

Form Approved CMB No. 0704-0188

A. CONTRACT L 0003	INE ITE	EM NO.	B. E	B. EXHIBIT C. CATEGORY TDP TM					OTHER						
D. SYSTEM/IT	EM.		$\perp$	E. CONTRA	CT/DD NC				F. CONTRACTOR						
		d Capacity Vehicle Survivability				IZV-12-R-050	01		T. CONTRACTOR	`					
1. DATA ITEM N	VO.	2. TITLE OF DATA ITEM							3. SUBTITLE						
A001		Report, Record of Meeting	/ Minute	es					Vehicle Readiness Board Presentation						
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-81505			CONTR	RACT REFERI	ENCE C.3.4	.2		6. REQUIRING OFFICE SFAE-CSS-JL-LT							
7. DD 250	9. DIS	ST STATEMENT :	10. FRE	EQUENCY	12. DAT	E OF FIRST									
REQ	REQU		O	)nce	SUBMISS	SION									
NA		DFFICIAL USE ONLY, pution Statement B				ess days prior meeting date		14.	DIS	TRIBUTIC	N				
8. APP CODE		:	11. AS	OF DATE	13. DAT	E OF SUBSE	QUENT			l	ES				
NA				ness days	SUBMISS			a	. ADDRESSEE		F	inal			
			•	to VRB ing date		NA		u.	NOONESSEE	Draft	Reg	Repro			
16. REMARKS:	I							SFA	E-CSS-JL-LT			3			
201 1121 11 11 11 10 1															
		ovide briefing charts (level –			•										
Government at Aberdeen Test Center on the design aspects of the Contractor's rolling chassis and crew compartment. Briefing charts shall include:															
•		of the crew compartment													
•		t armor and survivability design	an featu	ıres consistin	a of tems	not readily	/isible								
		ehicle (FOUO Level – only)	<b>J</b>		<b>J</b>	,									
		operational features of the c			_										
		ures; seat operation and adju	-	-											
<ul> <li>Explanation compartment</li> </ul>	n of any	potentially hazardous condition	ions or n	naterials on t	the rolling	chassis and	crew								
•	commen	dations on gauge and instrun	nentatio	n placement	on seats	and floor ad	jacent to								
		ata collection efforts													
_		n and center of gravity (CG) lo ed to be applied, and in what			_		what								
-		ta Sheets required for any of	•			•	s and								
crew compartm		a check required for any or		ю пане риссен.											
•		cle operational height at GVW			•	- ,									
- Contractor	shall be	prepared to answer question	ns result	ting from the	Vehicle R	.eadiness Bo	ard.								
2. Electronic co	py of br	riefing charts shall be submitte	ed to:												
,		niel.n.bock.civ@mail.mil													
		rbara.e.pelish.civ@mail.mil at time of contract award													
Repro = electror	nic copy	,													
											-				
					TOTAL			3							
G. PREPARED B	BY		Н.	DATE	I. APP	ROVED BY				J. DATE					
TJ Kowalski			27	Nov12											

(1 Data Item)

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Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 222202-2302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract. PR No. listed in Block E.

A. CONTRACT L 0003	INE IT	EM NO.	В.	B. EXHIBIT C. C/			GORY	/ TM OTHER							
	/ Mad	ornized Eveneded Conseils (V	shiele	E. CONTR	ACT/DD N				F. CONTRACTO	D					
Survivability (MECV-		ernized Expanded Capacity V	enicie			NO. HZV-12-R-0	)501		F. CONTRACTO	rK.					
1. DATA ITEM NO.		2. TITLE OF DATA ITEM	1	•					3. SUBTITLE						
A002		Developmental Design [	Drawings/	Models and A	Associated	Lists			Computer Aided	Design M	lodels				
	isition Document No.) 1002E(T)	5. CONT	RACT REFER	ENCE C.3.3	.1		6. REQUIRING OFFICE SFAE-CSS-JL-LT								
7. DD 250 REQ	9. DIST	STATEMENT REQUIRED	10	0. FREQU	12. DATE	OF FIRST		1							
LT			SEE	ENCY EBLK 16	SUBMISS	ION SEE BLK 1	6	14.	DISTRIBL	JTION					
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16 REMARKS					ı			054							
<b>Block 4:</b> The DID is tail Requirements:	ilored as t	follows:						SFAI	E-CSS-JL-LT			2			
2. General. Delete "Deve		design models shall be in accorda													
		ect Management Integrated Produ provide CAD models within 30 day			) models shall	consist of the f	following:								
a. Vehicle Geometry in e	either IG	ES or STEP format	or contract	awara. The Gra	models shall	consist of the i	ollowing.								
		(POC) for clarifications on CAD dat		vouturain conto on	aine HVAC e	uananaian and	alaatriaal								
•		arious subassemblies for vehicle st le material names and grades	ructure, pow	vertrain, seats, en	igine, HVAC, S	uspension, and	electrical.								
iv. Part att	tachment	: info – How parts are attached													
,		CAE) Mesh data for all the vehicle ith associated thicknesses	parts												
ii. Solid ele		ar abbolated triburebbe													
		material properties either already				cel; Initial Modu	ulus, stress-								
strain curves at different strain rates, Poisson's ratio, strain at failure, and density.  iv. Bolt and weld failure properties so that they can be included in the simulation															
c. Vehicle Inertial properties – Overall vehicle weight, Vehicle Center of Gravity (C.G), Inertia Properties, Front and Rear Weight distribution for all available variants															
d. Seat CAD, material properties and attachments															
<ul> <li>i. Local characterization of the energy absorption (EA) behavior as a function of stroke, depicted as a force-displacement curve</li> </ul>															
		al properties	•>												
curve		zation of the energy absorption (E	,		тгоке, аерісте	as a force-dis	piacement								
		sisting of material properties and nulations used in previous underbo			le)										
-		ristics: Size, type, burial Depth, an													
,		ats used in testing, e.g., Home Ma (x, y, z coordinates)	ae Explosive	es (HME).											
iv. Jones-V	Wilkins-Le	ee (JWL) Explosive Burn model if o		s non-standard											
		Standardized Agreement (STANAG ons used in the underbody blast a		oplicable)											
i. Soil Char	racteristic	cs - Type of soil: clay, sand, clay-s	, , ,												
•		nd humidity % e of model, other material propert	ies												
h. Special materials used	d in unde	erbody hull/armor design material properties either already e		AE format (IC DV	(NA) or in Ever	alı thic chauld i	ncludo Initial								
Modulus, s	stress-str	ain curves at different strain rates	Poisson's ra	atio, and strain at	failure.	•									
		blast mitigation design info - Info s or other energy absorbing featu		now new blast mit	tigation featur	es are modeled	l, for								
i. Additional system leve i. Engine	el vehicle	data required Weights and approx	kimate dimer	nsions of individua	al components										
ii. Transmi															
iii. Front/re iv. Suspen:															
v. Tires vi. Full fue															
j. Stiffness Characteristic i. Suspensi										1					
ii. Engine r k. Ground Clearance at (		pe and stiffness													
i. Measure	ed, with n	oted reference point								+					
CAD Models to be shipped	M	lail Stop: 245, Bldg. 200A								1					
		501 E. 11 Mile Rd. Varren, MI 48397								1					
		TTN: Engineer, Dan Bock, <u>Daniel.</u>	n.bock.civ@r	mail.mil											
COR, To be appoi	COR, To be appointed at time of contract award								OTAL —		1	2			

H. DATE 27Nov2012 APPROVED BY

J. DATE

(1 Data Item)

Form Approved CMB No. 0704-0188

A. CONTRACT	LINE ITEM NO.	B.	B. EXHIBIT C. CATEGORY									
003					TDP	TM		OTHER				
D. SYSTEM/ITE	EM. Modernized Expanded Capacity V	ehicle	E. CONTR	ACT/PR I	NO.			F. CONTRACTO	)R			
Survivability (MEC)	V-S)			RFP W56	HZV-12-R-(	0501						
1. DATA ITEM NO	). 2. TITLE OF DATA	ITEM	1					3. SUBTITLE				
A003	Report, Record of Meeting		utes					Briefing Packets				
	· · · · · · · · · · · · · · · · · · ·	-	TRACT REFERE	ENCE				6. REQUIRING C	FFICE			
'[	DI-ADMN-81505			C.3.4.1,	C.4.1				E-CSS-JI	LT		
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	1	0. FREQU		OF FIRST			I				
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10 KEWWII KIRO												
Block 6: PM =	Government Project Management	Integrate	ed Product/Pro	ocess Tea	m							
DI 1 10 TI				c								
Start of Work Me	Contractor shall provide a briefing	packets	no later than i	rive busine	ess days pr	or to the						
Start of Work in	seurig											
Electronic copy	of briefing packets shall be submit	ted to:									İ	
SAM, Michelle G	regory, michelle.a.gregory.civ@ma	il.mil										
	elish, <u>barbara.e.pelish.civ@mail.mil</u> pinted at time of contract award						-					
COR, TO be appo	ointed at time of contract award											
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TJ Kowalski			27Nov12		- "							

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Form Approved CMB No. 0704-0188

A. CONTRACT	LINE IT	TEM NO.	B.	EXHIBIT	C. CATEGORY										
003						TDP	TM	OTHER	R						
D. SYSTEM/ITE Survivability (MEC)		lernized Expanded Capacity Vel	nicle	E. CONTR		NO. HZV-12-R-0:	501	F. CO	NTRACTO	)R					
1. DATA ITEM NO	)	2. TITLE OF DATA ITEM						3. SUB	TITI F						
A004		Report, Record of Meeting	g / Minu	tes					g Minutes						
4. AUTHORITY (D	Data Acqu DI-ADMI	uisition Document No.) N-81505	5. CONT	RACT REFERE	C.3.4	.3		6. RE	QUIRING O SFA	FFICE E-CSS-JL	LT				
7. DD 250 REQ	9. DIS	T STATEMENT REQUIRED	10	0. FREQU		OF FIRST									
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Block 6: PD = 0	Governn	nent Project Management I	ntegrate	ed Product/Pro	cess Tear	n									
Block 12: The (	Contract	or shall provide written mir	utes of	each meeting	within 5 l	ousiness day	rs.								
		ng minutes shall be submiti													
SAM, Michelle Gi	regory,	michelle.a.gregory.civ@mai	<u>l.mil</u>												
		rbara.e.pelish.civ@mail.mil													
COR, TO be appo	omted a	t time of contract award													
Damus alastus															
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Form Approved CMB No. 0704-0188

A. CONTRACT LINE ITEM NO.				B. EXHIBIT C. CATEGORY												
003			TDP TM													
	M/ITEM			E. CONTRA	CT/PR NO	).			F. CONTRACTO	R						
	-	d Capacity Vehicle Survivability		I	RFP W56H	HZV-12-R-05	01									
1. DATA ITEM N	NO.	2. TITLE OF DATA	AIIEM						3. SUBTITLE			_				
A005									Bill of Material a	nd Produc	tion Unit	Cost				
	(Data A	cquisition Document	5. CON	TRACT REFER					6. REQUIRING							
No.)	C DI	1.46			C.3.4	.4			SFAE-CSS-JL-LT							
	See Blo		T					1								
7. DD 250	9. DIS	T STATEMENT		REQUENCY BLK 16	12. DAT	E OF FIRST										
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10. KLMAKKS.																
		-binding production unit co														
		of the solicitation. For est estimated delivery schedule	ne													
2. Provid	ng:															
			J													
		pounds, inches, or other) unt, weight, length, or other														
<ul> <li>Nomenclature</li> </ul>																
- Part Number (	(Contrac	tor or Vendor as applicable	e)													
- National Stock Number (NSN), if applicable - Level of Repair																
- Cost Source (d		urchase order, estimate, o	r other)													
- Make or Buy - Cost																
- Extended Cost	t															
- Vendor		L M. P.C. L COTC	O.T.C													
		used, Modified COTS, or CO provide a BOM of all compo		at are \$500 o	r more											
		overnment Business Manag														
Riocks 10-12:	Suhmis	sion required 60 calendar	davs afte	er contract aw	ard											
DIOCKS TO 12.	Subinis	sion required to calendar	days arec	i contract avv	uiu.											
Block 14: All s	ubmissi	ons shall be prepared and	delivered	in an editable	and curr	ent Microsof	t Excel									
file in Contractor	r tormat	. Provide electronic copy t	:0:													
		ey, <u>david.a.howey@us.arm</u>														
SAM, Michelle G	regory,	michelle.a.gregory.civ@ma bara.e.pelish.civ@mail.mil	<u>iil.mil</u>													
		t time of contract award	<u>.</u>													
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(1 Data Item)

Form Approved CMB No. 0704-0188

A. CONTRACT	B.	B. EXHIBIT			C. CATEGORY								
0003					TDP	TM		OTHER					
D. SYSTEM/ITE Survivability (MEC	M. Modernized Expanded Capacity Vel V-S)	nicle	E. CONTR		NO. HZV-12-R-0	NEO1	F. CONTRACTOR						
1 DATA ITEMAIC				KIF WOO	12 12-13-0	1301		2 CUDTITUE					
1. DATA ITEM NO A006	2. TITLE OF DATA ITEM							3. SUBTITLE Security Training	g Certificat	tes			
4. AUTHORITY (L	Data Acquisition Document No.) See Block 16	5. CONT	RACT REFERI	ENCE -1, C-2, C-	5. C.6.1			6. REQUIRING C	FFICE E-CSS-JL	-I T			
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	1	0. FREQU		OF FIRST								
LT	6. BIOT OTTTEMENT REGULES		ENCY E BLK 16	SUBMISS		6	14.	DISTRIB	SUTION				
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16 REMARKS							SFA	AE-CSS-JL-LT			3		
	Cay cayana ant Duaicat Managana ant I		d Duo du at/Du	T	_								
BIOCK 6: PD = 0	Government Project Management I												
	or shall provide security training cer completion of each of the training												
completed within	n 30 calendar days of contract awa												
reporting for dut	y.												
	ns Security (OPSEC) Training												
Level I Anti-Terr iWatch Training													
<ol><li>The Contract contract award.</li></ol>	of												
Coordinator dem													
completion of tra contract award.	of												
Electronic conice	s shall be submitted to												
	s shall be submitted to:												
SAM, Michelle G	regory, <u>michelle.a.gregory.civ@mai</u> elish, <u>barbara.e.pelish.civ@mail.mil</u>	<u>l.mil</u>											
	ointed at time of contract award												
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(1 Data Item)

Form Approved CMB No. 0704-0188

	NE ITEM NO.	B.	B. EXHIBIT			C. CATEGORY								
0003					TDP	_ TM _		OTHER						
C. SYSTEM/ITEM. Survivability (MECV-S)	Modernized Expanded Capacity Vel )	nicle	E. CONTR		NO. HZV-12-R-0	501		F. CONTRACTO	DR					
1. DATA ITEM NO.	2. TITLE OF DATA ITEM		<u> </u>					3. SUBTITLE						
A007	Operations Security (OPS	,						OPSEC Plan						
4. AUTHORITY (Data DI-AI	Acquisition Document No.) DMN-80934C	5. CONT	RACT REFERE	ENCE C-4, C.	6.1		6. REQUIRING OFFICE SFAE-CSS-JL-LT							
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16 REMARKS							SFA	E-CSS-JL-LT			3			
Block 6: PD = Gov	ernment Project Management I	ntegrate	ed Product/Pro	cess Tear	n									
	tractor shall provide an OPSEC I	to the												
Government within														
Electronic copy of p	lan shall be submitted to:													
SAM, Michelle Grego	ory, michelle.a.gregory.civ@mai	l <u>.mil</u>												
PCO, Barbara Pelish	, barbara.e.pelish.civ@mail.mil													
COR, To be appoint	ed at time of contract award													
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